Docket No.: 070456-0071 PATENT

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277

Yoshihiro HORI, et al. : Confirmation Number: 3563

Application No.: 10/522,176 : Group Art Unit: 2169

Filed: January 24, 2005 : Examiner: Hung Q. Pham

For: DATA STORAGE DEVICE CAPABLE OF STORING MULLTIPLE SETS OF

HISTORY INFORMATION ON INPUT/OUTPUT PROCESSING OF

SECURITY DATA WITHOUT DUPLICATION

# REQUEST FOR COMPLETE ACKNOWLEDGEMENT OF THE CITED ART

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

We are in receipt of the Notice of Allowance dated September 18, 2009.

In reviewing the file, it is noted that we have not received complete acknowledgement of the Information Disclosure Statements and cited art filed on January 24, 2005, October 29, 2008, June 30, 2009, and September 17, 2009. Specifically, EP 1 237 324, JP 2002-189648, JP 2001-197292, JP 11-39450, JP 6-202926, and JP 5-46359 on the PTO-1449 Form submitted on January 24, 2005. Also, Japanese Office Action with English Translation issued in Japanese Patent Application No. JP 2002-216750 on PTO-1449 Form submitted on October 29, 2008. Again, specifically US

Serial No. 10/522.176 Docket No. 070456-0071

2002/0138442 as submitted on PTO-1449 Form on June 30, 2009, Also, specifically JP

2003-248557, JP 2002-026890, JP 2002-164881 and Japanese Decision to Grant

Patent w/English translation issued in Japanese Patent Application No. JP 2002-

216750 dated September 8, 2008 as submitted on PTO-1449 Form on September 17.

2009.

Enclosed are copies of the Information Disclosure Statements, PTO-1449 Forms

and the Acknowledgement Receipts and postcard receipts. Also, enclosed are copies of

the PTO-1449 Forms which were partially initialed by the Examiner.

Applicant hereby respectfully requests that:

(1) the completely acknowledged PTO-1449 be furnished to Applicant; and

(2) the record be clarified to confirm that the cited art has been considered and

made of record.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

Stephen A. Becker

Registration No. 26,527

600 13th Street, N.W. Washington, DC 20005-3096 Phone: 202.756.8000 SAB:ss

Facsimile: 202.756.8087 Date: October 7, 2009

Please recognize our Customer No. 20277 as our correspondence address.

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THE PATENT AND TRADEMARK OFFICE DATE STAMPED HEREON IS ACKNOWLEDGEMENT THAT THE ITEMS, CHECKED ABOVE, WERE RECEIVED BY THE PTO ON THE DATE STAMPED.

Docket No.: 70456-071 PATENT

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277

Yoshihiro HORI, et al. : Confirmation Number: Not yet

assigned

Application No.: Not yet assigned : Group Art Unit: Not yet assigned

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Filed: January 24, 2005 : Examiner: Not yet assigned

For. DATA STORAGE DEVICE CAPABLE OF STORING A PLURALITY OF ITEMS OF HISTORY INFORMATION RELATING TO INPUT/OUTPUT PROCESSING OF CLASSIFIED DATA WITHOUT OVERLAP

# INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner for Patents and Trademarks Washington, D. C. 20231

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed with the application and no certification or fee is required.

A copy of the foreign search report is attached for the Examiner's information.

Please note this is a PCT application in the entry of the National Phase in the U.S. and copies of the references cited were transmitted by WIPO and are believed to be in the file of the above identified application and readily available to the Examiner. Therefore it is

Not yet assigned

believed that Applicants have met all requirements regarding duty of disclosure under 37

CFR 1.56. Acknowledgement and consideration of these documents are respectfully

requested.

A copy of the foreign search report is attached for the Examiner's information.

Please note this is a PCT application in the entry of the National Phase in the U.S.

However, to ensure that these references are available to the Examiner, we are providing

copies of these references herewith. Since the Search Report was from the U.S. JPO or EPO

search authorities, copies of these references should have been supplied to the USPTO under

the trilateral agreement and are believed to be in the file of the above identified application

and readily available to the Examiner.

Respectfully submitted,

McDERNOTT WILL & EMERY LLP

Stephen A. Becker Registration No. 26,527

600 13<sup>th</sup> Street, N.W. Washington, DC 20005-3096 Phone: 202.756.8000 SAB:aph

Facsimile: 202.756.8087 Date: January 24, 2005 Please recognize our Customer No. 20277 as our correspondence address.

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		WO 01/41356 A1	6-7-2001	SANYO ELECTRIC CO., LTD. et al.			JAPAN (w/English Abstract)	
		EP 1 237 324 A1	9-4-2002	SANYO ELECTRIC CO., LTD. et al.			Х	
		JP 2002-189648 A	7-5-2002	HITACHI, LTD.			JAPAN (w/English Abstract)	
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	1	JP 6-202926 A	7-22-1994	FUJI XEROX CO., LTD.			JAPAN (w/English Abstract)	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered include copy of this form with next communication to applicant.

1 Applicant's unique cetation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.



SHEET 1 OF 1

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Docket No.: 070456-0071 PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277

Yoshihiro HORI, et al. : Confirmation Number: 3563

Application No.: 10/522,176 : Group Art Unit: 2169

Filed: January 24, 2005 : Examiner: Hung G. Pham

For: DATA STORAGE DEVICE CAPABLE OF STORING MULLTIPLE SETS OF

HISTORY INFORMATION ON INPUT/OUTPUT PROCESSING OF SECURITY DATA

WITHOUT DUPLICATION

# INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

10/522,176

CERTIFICATION PARAGRAPH

The undersigned certifies that each item of information contained in this Information

Disclosure Statement was first cited in a communication from a foreign patent office in a

counterpart foreign application not more than three months prior to the filing of this Information

Disclosure Statement as described in 37 CFR 1.97(e)(1).

Each reference was cited in a Japanese Office Action and its relevance discussed therein.

Please note that references WO 01/041356, JP 11-039450, JP 2002-189648 and JP 05-046359

were previously filed on January 24, 2005 and therefore, are not included. A copy of the

Japanese Office Action, together with an English language version thereof, is attached for the

Examiner's information.

Please charge any shortage in fees due in connection with the filing of this paper,

including extension of time fees, to Deposit Account 500417 and please credit any excess fees to

such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LI

600 13th Street, N.W. Washington, DC 20005-3096

Phone: 202.756.8000 TT:ksa Facsimile: 202.756.8087

Date: October 29, 2008

as our correspondence address.

Please recognize our Customer No. 20277

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.



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\*EXAMINEN: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

I applicant is unique citation designation number (optional): 2 Applicant is to place a check mark here if English language Translation is attached.

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	EFS ID:	5615851			
	Application Number:	10522176			
Inter	rnational Application Number:				
	Confirmation Number:	3563			
	Title of Invention:	Data storage device capal input/output processing o	ole of storing multiple sets of security data without du	of history info	ormation on
First N	lamed Inventor/Applicant Name:	Yoshihiro Hori			
	Customer Number:	20277			
	Filer:	Tomoki Tanida/Margaret	Barham		
	Filer Authorized By:	Tomoki Tanida			
	Attorney Docket Number:	70456-071			
	Receipt Date:	30-JUN-2009			
	Filing Date:	24-JAN-2005			
	Time Stamp:	15:07:07			
	Application Type:	U.S. National Stage under	35 USC 371		
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Information:

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

## New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

## National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

## New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT

Docket No.: 070456-0071

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277

Yoshihiro HORI, et al. : Confirmation Number: 3563

Application No.: 10/522,176 : Group Art Unit: 2169

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For: DATA STORAGE DEVICE CAPABLE OF STORING MULLTIPLE SETS OF

HISTORY INFORMATION ON INPUT/OUTPUT PROCESSING OF SECURITY DATA

WITHOUT DUPLICATION

# INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed after the filing of a Request for Continued Examination (RCE) and before the mailing of a subsequent Office Action. No certification or fee is required.

10/522,176

Please charge any shortage in fees due in connection with the filing of this paper,

including extension of time fees, to Deposit Account 500417 and please credit any excess fees to

such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY-LLI

Tomoki Tanida Registration No. 60,453

Please recognize our Customer No. 20277 as our correspondence address.

600 13<sup>th</sup> Street, N.W. Washington, DC 20005-3096 Phone: 202.756.8000 TT:mjb

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			N DISCLOSU BY APPLICA		ATTY. DOCKET NO. 070456-0071		ERIAL NO. <b>0/522,17</b>	76	
					APPLICANT Yoshihiro HORI	, et al.			
	(Su	bstitute	for form 1449/PTO)		FILING DATE  January 24, 200		ROUP 169		
			U	S. PATENT	DOCUMENTS				
EXAMINER'S INITIALS	CITE NO.		Document Number ber-Kind Code2 (FAROWN)	Publication Date MM-DD-YYYY	Name of Patentee or Applic Document	ant of Cited	Pages Releva	s, Columns, L ant Passages Figures Ap	or Relevant
	1	US	2002/0138442 A1	09-26-2002	HORI et al.				
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1 Applicant is injurie caltain designation number (political). 2 Applicant is to place a check mark here if English language Translation is attached.

		cknowledgement R			
	EFS ID:	6092545			
	Application Number:	10522176			
intern	ational Application Number:				
	Confirmation Number:	3563			
	Title of invention:	DATA STORAGE DEVICE CA INFORMATION ON INPUT/ WITHOUT DUPLICATION	APABLE OF STORING MULT OUTPUT PROCESSING OF S	IPLE SETS OF I ECURITY DAT	HISTORY A
First Na	med Inventor/Applicant Name:	Yoshihiro Hori			
	Customer Number:	20277			
	Filer:	Stephen Alan Becker/Mar	garet Barham		
	Filer Authorized By:	Stephen Alan Becker			
	Attorney Docket Number:	70456-071			
	Receipt Date:	17-SEP-2009			
	Filing Date:	24-JAN-2005			
	Time Stamp:	14:52:24			A. (1797)
	Application Type:	U.S. National Stage under	35 USC 371		
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1	Transmittal Letter	IDS_070456-0071.pdf	99896 ac304622dc5e15b50f6ebd9ec557711a803 ec760	no	3

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2	NPL Documents	NPL 070456-0071.pdf	85753	ne	é

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## New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

### National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DD/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the filling Receipt. In due course.

## New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the International filing date of the application. Docket No.: 070456-0071 PATENT

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277

Yoshihiro HORI, et al. : Confirmation Number: 3563

Application No.: 10/522,176 : Group Art Unit: 2169

Filed: January 24, 2005 : Examiner: Hung Q. Pham

FOR: DATA STORAGE DEVICE CAPABLE OF STORING MULLTIPLE SETS OF

HISTORY INFORMATION ON INPUT/OUTPUT PROCESSING OF SECURITY DATA

WITHOUT DUPLICATION

## INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed after the filing of a Request for Continued Examination (RCE) and before the mailing date of a subsequent Office Action on the merits. No certification or fee is required.

Each Japanese reference was cited in a corresponding Japanese application Office Action and its relevance discussed therein. A copy of the Japanese Office Action, together with an

19/522.176

English language version thereof, is attached for the Examiner's information. Please note that the

references WO 01/41356, JP 11-39450 A, JP 2002-189648 A, JP 5-46359 A, JP 6-202926 A,

and JP 2001-197292 A have been previously submitted in an Information Disclosure Statement

filed January 24, 2005. Also, please note that the reference WO 01/69842 has been previously

submitted in an Information Disclosure Statement filed October 29, 2008.

Please charge any shortage in fees due in connection with the filing of this paper,

including extension of time fees, to Deposit Account 500417 and please credit any excess fees to

such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

Stephen A. Becker Registration No. 26,527

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Date: September 17, 2009

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#### SHEET 1 OF 1 ATTY, DOCKET NO. SERIAL NO. INFORMATION DISCLOSURE 070456-0071 10/522.176 STATEMENT BY APPLICANT APPLICANT Yoshihiro HORI, et al. (Substitute for form 1449/PTO) FILING DATE GROUP 2169 January 24, 2005 U.S. PATENT DOCUMENTS EXAMINER'S Document Number Publication Date Name of Patentee or Applicant of Cited Pages, Columns, Lines, Where INITIALS NO MM-DD-YYYY Document Relevant Passages or Relevant Number-Kind Codes of Anount Figures Appear US US US US US US US US US FOREIGN PATENT DOCUMENTS Publication Date Foreign Patent Document Name of Patentee or Pages, Columns, Lines Where Relevant Translation INITIALS Country Codes-Number 4-Kind Codes (if known) CITE MM-DD-YYYY Applicant of Cited Document No NO. Figures Appear JP 2003-248557 A 09-05-2003 SANYO ELECTRIC JAPAN (w/ English abstract) JP 2002-026890 A 01-25-2002 SANYO ELECTRIC JAPAN (w/ CO English abstract) JP 2002-164881 A 06-07-2002 SANYO ELECTRIC JAPAN (w/ CO: FUJITSU LTD: English PFU LTD; HITACHI abstract) LTD: NIPPON COLUMBIA OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER'S Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, INITIALS journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where CITE published. Japanese Decision to Grant Patent, w/ English translation thereof, issued in Japanese Patent Application No. JP 2002-216750 dated September 8, 2009

DATE CONSIDERED

EXAMINER

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